

Title (en)

Hardpack shield for a pivoting needle guard

Title (de)

Hartverpackung für eine schwenkbare Nadelschutzhülse

Title (fr)

Emballage rigide pour capuchon pivotant protégeant une aiguille

Publication

**EP 0744183 A2 19961127 (EN)**

Application

**EP 96200995 A 19960412**

Priority

US 45018395 A 19950525

Abstract (en)

A hardpack shield employable with a medical delivery device utilizing the pivoting-type needle guard or barrier assembly. The shield, which may be formed from a semi-rigid yet puncture-resistant material such as polypropylene, may be configured for mating engagement with a component of the pivotable barrier assembly so as to enable a user to safely manipulate the barrier assembly respective of a medical delivery device to which the piercing element and barrier assembly are affixed. The hardpack shield is configured for ready removal by a user while providing a secondary barrier against inadvertent needlestick injury with a piercing element. <IMAGE>

IPC 1-7

**A61M 5/32**

IPC 8 full level

**A61M 5/00** (2006.01); **A61M 5/32** (2006.01)

CPC (source: EP US)

**A61M 5/3202** (2013.01 - EP US); **A61M 5/3216** (2013.01 - EP US); **A61M 5/002** (2013.01 - EP US); **Y10S 128/919** (2013.01 - EP)

Cited by

WO2009007718A1; EP1425056A4; EP1350530A1; CN104399157A; EP1855745A4; AU2008273945B2; RU2481859C2; AP2952A; US8425468B2; US10369277B2; US10376637B2; US11786653B2; US11020526B2; WO2006090118A1; WO2008016710A1; WO0003757A1; US8235950B2; US8597255B2; US10898643B2; US8282609B2; US6355021B1; US6840922B2; US9724127B2; US8226604B2; US8622960B2; US11197689B2; US8827961B2; US9352079B2; US11110261B2; US11684767B2; EP1701831B1; EP2998093A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0744183 A2 19961127**; **EP 0744183 A3 19990506**; **EP 0744183 B1 20040707**; CA 2174828 A1 19961126; CA 2174828 C 19991214; DE 69632845 D1 20040812; DE 69632845 T2 20050714; JP 2882470 B2 19990412; JP H08322932 A 19961210; US 5584816 A 19961217

DOCDB simple family (application)

**EP 96200995 A 19960412**; CA 2174828 A 19960423; DE 69632845 T 19960412; JP 13030696 A 19960524; US 45018395 A 19950525